EDMC

SAF-B03-015 Remaining Sites Confirmation Sampling-Soil FINAL DATA PACKAGE

E:MAIL RESULTS TO:		
Patty Krueger		N/A
Renee Nielson		N/A
MAIL COMPLETE COP	Y OF DATA	PACKAGE TO:
Ella Feist	H9-01	INITIAL/DATE /
Mike Stankovich	H9-02	INITIALDATE 1/32/1/3
Bob Hynes	H0-18	INITIALDATE
Jeanette Duncan	H9-02	INITIAL/DATE
COMMENTS: (PLEASE SHEET)	INCLUDE	THE FOLLOWING ON THE COVER
SDG	SA SA	F-B03-015
Rad only X C	hem only	Rad & Chem
X Complete	Partia	AUG 1 8 2003

Sample Location/Waste Site: 600-190



A SORENSON COMPANY

6/5/03 Page 1 of 2

SUBMITTED TO:

Joan Kessner Bechtel Hanford 3350 George Washington Way, MS H0-25 Richland, WA 99352



REFERENCE DATA:

Client Sample No.:

J00P20 through J00P38

P.O. No.:

Not Available

Sample Location:

600-190 and 600-132

Sample Type:

Bulk

Method Reference:

EPA-600/R-93/116

DCL Set ID No.:

03-A-2468

DCL Sample ID No.:

03-15730 through 03-15733

Sample Receipt Date:

5/22/03

Analysis Date:

6/5/03

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

Shawn Smythe Analyst

Anna Marie Ristich

Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NIST.

CINCINNATI OFFICE 4388 GLENDALE-MILFORD ROAD CINCINNATI, OHIO 45242-3706 513 733-5336, FAX 513 733-5347 WEST COAST OFFICE 11 SANTA YORMA COURT NOVATO, CALIFORNIA 94945 800 280-8071, FAX 415 893-9469

DataChem Laboratories Polarized Light Microscopy Asbestos Analytical Report

Client: Bechtel Hanford Location: 600-190 and 600-132 Set ID: 03-A-2468

Client Sample ID:	J00P20	J00P21	J00P37	J00P38	
DCL Sample ID:	03-15730	03-15731	03-15732	03-15733	
Macroscopic Examination	03 10 730	03 13731	03-13732	05-15755	
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	
Homogeneity:	Heterog.	Heterog.	Homog.	Homog.	
Color:	Brown	Brown	Grey	Grey	
Texture:	Granular	Granular	Pwdry/Fbrs	Crumbly	
Description:	Soil	Soil	Material	Material	
Analysis:	PLM	PLM	PLM	PLM	
Asbestiform Minerals				· · · · · · · · · · · · · · · · · · ·	
% Chrysotile:	Trace		>20≤30		
% Amosite:			>10≤20		
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	Trace	ND	>30≤50	ND	
Other Materials			•		
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>90≤100	>90≤100	>40≤50	>90≤100	

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.

Shawn Smythe Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

03.A-2468

R. Faithers M. Stankovich S31-7620 KESNER, H. Price Code SB Ush I branseous Price Code SB Ush I branseous Sanoline Location	Bechtel Hanfor	rd Inc.	CI	CHAIN OF CUSTODY/SAMPLE ANALYSIS I					REQUE	ST	B03-015-113		Page <u>i</u> of <u>i</u>	
Remaining Sizes Confirmation Sampling-Soil Fee Chest No. CD EX Box Field Laboratories Fleet Laboratories Bill of Lading/Air Bill No. 8 2 9 / 52 4 5 5 2 60 Prescryation Some Freedram Problem Park Fleet Laboratories Freedram Problem Park Fleet Laboratories Freedram Problem Park Fleet Laboratories Freedram Problem Park Freedram Problem Park Freedram Problem Park No. of Container(s) Volume 3g Sample No. Sample No. Matrix * Sample Date Fleet Laboratories Freedram Problem Park No. of Container(s) Volume 3g Sample No. Sample Time JODP20 [5 7 30 SOIL 5 - 20 - 3] 14/0 JODP21 5 7 31 SOIL JODP22 5 7 31 SOIL JODP22 5 7 31 SOIL JODP22 5 7 31 SOIL Freedram Problem Park Fleet Laboratories Freedram Park Relinquished By Removed from Date/Time Relinquishe	Collector R Fahlberg			Company Contact Telephone No.							Price Code	8B		
Shinerd To Data Chem Laboratories POSSIBLE SAMPLE HAZARDS/REMARKS Non-Rad Area, No-Activity Required Special Handling and/or Storage None Type of Container(s) No. of Container(s) Volume SAMPLE ANALYSIS Sample No. Matrix* Sample Date Sample Time JODP20 (\$7.30 SOIL 5.20.3) 14/D X JODP21 (\$7.30 SOIL 5.20.3) 14/D X JODP22 (\$7.30 SOIL 5.20.3) 14/D X JODP21 (\$7.30 SOIL 5.20.3) 14/D X JODP22 (\$7.30 SOIL 5.20.3) 14/D X JODP23 (\$7.30 SOIL 5.20.3) 14/D X JODP24 (\$7.30 SOIL 5.20.3) 14/D X JODP25 (\$7.30 SOIL 5.20.3) 14/D X JODP26 (\$7.30 SOIL 5.20.3) 14/D X JODP27 (\$7.30 SOIL 5.20.3) 14/D X JODP28 (\$7.30 SOIL 5.20.3) 14/D X JODP29 (\$7.30 SOIL 5.20.3) 14/D X JODP20 (Project Designation Remaining Sites Confirmatio	n Sampling-Soil									Air Quali	ty 🗌	24 Hours	
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Preservation None Special Handling and/or Storage None Special Handling and/or Storage None Sample Town None Sample No. Matrix* Sample Date Sample Town None Sample No. Matrix* Sample Date Sample Town None Sample No. Matrix* Sample Date Sample Town None Sample No. Matrix* Sample Date Sample Town None Sample Town None Sample No. Matrix* Sample Date Sample Town None Sample Town Non	Shipped To DataChem Laboratories		Offsite	Property No.	A		Bill of Lading/Air Bil				No. 82	7/5249	5 5260	
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		ethod				-	Dispo	sed By					ate/Time	<i>V</i>

Bechtel Hanfor	d Inc.	CH	CHAIN OF CUSTODY/SAMPLE ANALYSIS					REQUEST	r	B03	-017-117	Page <u>1</u> of <u>1</u>	
Collector R Fahlberg/STANKOVICH	Bowers	Compa	nv Contact ankovich	Telepho 531-7	ne No.		······ 1	Proiect Coordi KESSNER, JH	-	Price Code	9C	Data Tu	ırnaround
Project Designation Remaining Sites Confirmation	·	Sampli 600-	ng Location 132					SAF No. B03-017		Air Quality		24 1	Hours
Ice Chest No. FED 6	x Dox	Field L EL 1	.ogbook No. 5778 1748 5 77	J03	COA C17HXU	600C		Method of Shir Fed Ex	oment			· -	
Shipped To DataChem Laboratories	Shipped To Offsite Property No.				†			Bill of Lading	Air Bill N	No. 829	152	45 5,	2 59 40
POSSIBLE SAMPLE HAZA	RDS/REMARKS			None									
			Preservation Type of Container	Whirl Pack	:	 					<u> </u>		+
Special Handling and/or S None	torage	}	No. of Container(s)	1	 	†			ļ				
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Relinquished By/Removed From	Date/Time	Received By/Store	ed In Da	ate/Time									
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